

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (10-00)

Approved for use through 10/31/2002 OMB 0651-0032

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)))	Attorney Docket Number	11188.00
	First Named Inventor	Kyung Joon Han et al.
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	November 8, 2001
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR MULTIPLE BYTE OR PAGE MODE PROGRAMMING AND READING AND FOR ERASING OF A FLASH MEMORY ARRAY

the specification of which (Title of the invention)

☒ is attached hereto
OR
☐ was filed on (MM/DD/YYYY): _____ as United States Application Number or PCT International Application Number _____ and was amended on (MM/DD/YYYY) _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed

Prior Foreign Application	Foreign Filing Date	Priority	Certified Copy Attached?	
			YES	NO
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

Application Number(s)	Filing Date (MM/DD/YYYY)
60/291,156	May 14, 2001

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

DECLARATION — Utility or Design Patent Application

Direct all correspondence to:

☒ Customer Number
or Bar Code Label

20686

OR ☐

Correspondence address below

Name David H. Carroll, Reg. No. 29,903



Address Dorsey & Whitney LLP

20686

PATENT, TRADEMARK OFFICE

Address 370 17th Street, Suite 4700

City Denver

State CO

ZIP 80202-5647

Country USA

Telephone (303) 260-6365

Fax (303) 629-3450

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any]) Kyung Joon

Family Name
or Surname

Han

Inventor's
Signature

Date November 6, 2001

Residence: City Palo Alto

State CA

Country USA

Citizenship South Korea

Mailing Address 2608 Bryant Street

Mailing Address

City Palo Alto

State CA

ZIP 94306

Country USA

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any]) Dung

Family Name
or Surname

Tran

Inventor's
Signature

Date November 6, 2001

Residence: City San Jose

State CA

Country USA

Citizenship USA

Mailing Address 2842 Stonecrest Way

Mailing Address

City San Jose

State CA

ZIP 95133

Country USA

☐ Additional inventors are being named on _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → +

PTO/SB/02A (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office, U S DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Steven W		Longcor	
Inventor's Signature	<i>Steven W. Longcor</i>		Date November <u>7</u> , 2001
Residence City	Mountain View	State CA	Country USA
Citizenship USA			
Mailing Address 2711 Levin Ct.			
Mailing Address			
City	Mountain View	State CA	ZIP 94040
Country USA			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Steve K.		Hsia	
Inventor's Signature			Date November , 2001
Residence: City	San Jose	State CA	Country USA
Citizenship USA			
Mailing Address 6562 Broadacres Dr.			
Mailing Address			
City	San Jose	State CA	ZIP 95120
Country USA			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
Residence: City		State	Country
Citizenship			
Mailing Address			
Mailing Address			
City		State	ZIP
Country			

Burden Hour Statement This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box →



PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Steven W.		Longcor		
Inventor's Signature	<i>Steven W. Longcor</i>		Date November 7, 2001	
Residence: City	Mountain View	State CA	Country USA	Citizenship USA
Mailing Address	2711 Levin Ct.			
Mailing Address				
City	Mountain View	State CA	ZIP 94040	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Steve K.		Hsia		
Inventor's Signature	<i>Steve K. Hsia</i>		Date November 7, 2001	
Residence: City	San Jose	State CA	Country USA	Citizenship USA
Mailing Address	6562 Broadacres Dr.			
Mailing Address				
City	San Jose	State CA	ZIP 95120	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Inventor's Signature			Date	
Residence: City		State	Country	Citizenship
Mailing Address				
Mailing Address				
City		State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number

Filing Date

November 8, 2001

First Named Inventor

Kyung Joon Han et al.

Group Art Unit

Examiner Name

Attorney Docket Number

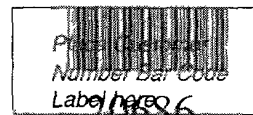
11188.00

I hereby appoint:

☒ Practitioners at Customer Number

20686

☐ Practitioner(s) named below:



Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

KYUNG JOON HAN

Signature

Kyung Joon Han

Date

November 7, 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple

☐ *Total of _____ forms are submitted.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant: Kyung Joon Han et al.

Application No.: _____ Filed: November 8, 2001

Entitled: METHOD AND APPARATUS FOR MULTIPLE BYTE OR PAGE MODE PROGRAMMING AND READING AND FOR ERASING OF A FLASH MEMORY ARRAY

NexFlash Technologies, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below.

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee

November 7th, 2001
Date

Signature

Steve K. Hsia
Typed or printed name

V.P. of Engineering
Title

ASSIGNMENT

For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, we

Kyung Joon Han of Palo Alto, California
Dung Tran of San Jose, California
Steven W. Longcor of Mountain View, California
Steve K. Hsia of San Jose, California

hereby sell, assign and transfer to NexFlash Technologies, Inc., a Delaware corporation, having a place of business at 2711 North First Street, San Jose, California 95134, its successors and assigns, the entire right, title and interest throughout the world in our invention of

METHOD AND APPARATUS FOR MULTIPLE BYTE OR PAGE MODE PROGRAMMING AND READING AND FOR ERASING OF A FLASH MEMORY ARRAY

and in all patent applications and patents of every country for said invention, including originals, provisionals, divisions, reissues, continuing applications, substitutes, renewals, and extensions thereof, and all rights of priority resulting from the filing of such applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications and patents, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; we hereby authorize and request any and all issuing authorities, including the Commissioner of Patents and Trademarks, to issue any and all United States and foreign patents granted for said invention to the above-named assignee, its successors and assigns; and we warrant and convent that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned.

100399181103001

Executed this 7th day of November, 2001. Kyung Joon Han
Kyung Joon Han

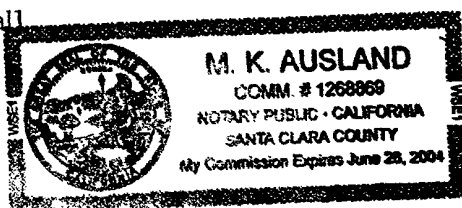
State of California)

County of Santa Clara)

On 7 November 01 before me, M. K. Ausland, personally appeared KYUNG JOON HAN, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed and in his authorized capacity, and by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

[seal]



M. K. Ausland
NOTARY PUBLIC

By and for the State of California

My Commission expires: 6/26/04

Executed this 7th day of November, 2001. Dung Tran
Dung Tran

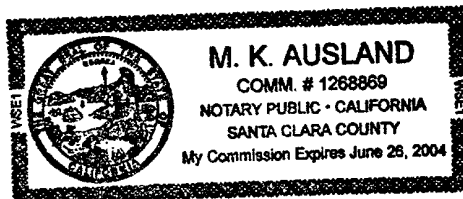
State of California)

County of Santa Clara)

On 7 November 01 before me, M. K. Ausland, personally appeared DUNG TRAN, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed and in his authorized capacity, and by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

[seal]



M. K. Ausland
NOTARY PUBLIC

By and for the State of California

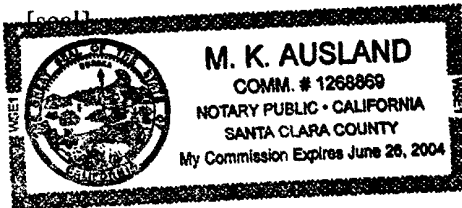
My Commission expires: 6/26/04

Executed this 7th day of November, 2001. Steven W. Longcor
Steven W. Longcor

State of California)
County of Santa Clara)

On 7 November 01 before me, M.K. Ausland, personally appeared STEVEN W. LONGCOR, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed and in his authorized capacity, and by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:



M.K. Ausland
NOTARY PUBLIC
By and for the State of California

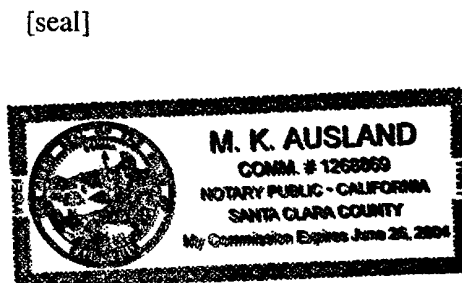
My Commission expires: 6/26/04

Executed this 7th day of November, 2001. Steve K. Hsia
Steve K. Hsia

State of California)
County of Santa Clara)

On 7 November 01 before me, M.K. Ausland, personally appeared STEVE K. HSIA, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed and in his authorized capacity, and by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:



M.K. Ausland
NOTARY PUBLIC
By and for the State of California

My Commission expires: 6/26/04